

Title (en)  
CONTROL OF LIGHTING DEVICES

Title (de)  
STEUERUNG VON BELEUCHTUNGSVORRICHTUNGEN

Title (fr)  
COMMANDE DE DISPOSITIFS D'ÉCLAIRAGE

Publication  
**EP 2850453 B1 20190925 (EN)**

Application  
**EP 13735415 A 20130510**

Priority  
• US 201261647005 P 20120515  
• IB 2013053802 W 20130510

Abstract (en)  
[origin: WO2013171645A2] Presence adaptive lighting control strategies are known to be very effective in reducing energy consumption in buildings. Ultrasonic array sensors have been proposed for reliable presence sensing. Systems and methods are disclosed by which additional sensing functionalities may be enabled for providing new control functions, with the array sensor as basic sensing platform. In particular, hybrid sensing that combines portable sensors (possibly, user enabled) and fixed-infrastructure sensors is considered. Applications are, for example, active presence sensors in lighting control applications.

IPC 8 full level  
**G01S 15/52** (2006.01); **G01S 15/04** (2006.01); **H05B 37/02** (2006.01)

CPC (source: CN EP RU US)  
**G01S 15/04** (2013.01 - CN EP US); **H05B 47/105** (2020.01 - CN); **H05B 47/115** (2020.01 - EP US); **H05B 47/19** (2020.01 - EP US); **G01S 15/52** (2013.01 - RU); **Y02B 20/40** (2013.01 - EP)

Citation (examination)  
• US 2012087212 A1 20120412 - VARTANIAN HARRY [US], et al  
• EP 1496371 A1 20050112 - MITSUBISHI ELECTRIC INF TECH [GB], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013171645 A2 20131121; WO 2013171645 A3 20140123**; CN 104303076 A 20150121; CN 104303076 B 20171121;  
EP 2850453 A2 20150325; EP 2850453 B1 20190925; ES 2753074 T3 20200407; JP 2015524143 A 20150820; JP 6207595 B2 20171004;  
RU 2014150541 A 20160710; RU 2632248 C2 20171003; US 2015123561 A1 20150507; US 9301374 B2 20160329

DOCDB simple family (application)  
**IB 2013053802 W 20130510**; CN 201380025287 A 20130510; EP 13735415 A 20130510; ES 13735415 T 20130510;  
JP 2015512174 A 20130510; RU 2014150541 A 20130510; US 201314394879 A 20130510